

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

|                   |  |                         |                   |
|-------------------|--|-------------------------|-------------------|
| <b>CONTRACTOR</b> | <b>CONTRACT NO. / TASK NO.</b>           | <b>JOB ORDER NUMBER</b> | <b>APPROV. FY</b> |
| OSS Group, Inc.   | NAS5- 99124    TASK NO. 409    AMENDMENT | 560-226-11-15-89        | 00                |

**TASK TITLE:** HI-RATE DIGITAL ENGINEERING AND RF COMPATABILITY TEST SUPPORT FOR AQUA/AURA

**EOS Aqua Electrical Engineering Services**

|   |  |   |                 |                          |
|---|--|---|-----------------|--------------------------|
| <b>APPROVALS:</b> (Type or print name and sign)   |  |   |                 |                          |
| <b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b>   |  | <b>DATE</b>                               | <b>ORG CODE</b> | <b>MAIL CODE</b>         |
| Chi Wu <i>Mark Fontaine</i>   |  | 10/23/00                                  | 422             | 422                      |
| <b>BRANCH HEAD</b>  |  | <b>DATE</b>                               | <b>CODE</b>     | <b>PHONE</b>             |
| Mark Fontaine <i>Mark Fontaine</i>  |  | 10/23/00                                  | 422             | 6-8993                   |
| <b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b>  |  | <b>DATE</b>                               | <b>CODE</b>     | <b>PHONE</b>             |
| Robert S. Lehair, Jr. <i>Robert S. Lehair</i>   |  | 10/31/00                                  | 560             | 6-6588                   |
| <b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?</b><br>(IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK) |  | <b>CONTRACTING OFFICER'S QUALITY REP.</b> |                 | <b>DESIGNATED FAM:</b>   |
| <input type="checkbox"/> NO <input type="checkbox"/> YES  |  |   |                 | Ronald Perison, Code 424 |

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

**C.O. Requested Quote on:**

**Date:** NOV 1 2000

Contractor will develop specification or statement of work under this task for a future procurement. ☒ NO    ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☐ NO    ☐ YES    ☒ N/A

Government Furnished Property/Facilities: ☐ NO    ☐ YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☐ NO    ☐ YES    If yes: ☐ TOTAL    ☐ PARTIAL  
If partial, indicate onsite work in SOW by asterisk (\*)

Surveillance Plan Attached: ☐ NO    ☐ YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be 11/1/00.

**INCENTIVE FEE STRUCTURE** (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

|           | <input checked="" type="checkbox"/> No. 1 | <input type="checkbox"/> No. 2 | <input type="checkbox"/> No. 3 | <input type="checkbox"/> No. 4 | <input type="checkbox"/> No. 5 |
|-----------|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Cost      | 10%                                       | 50%                            | 25%                            | 25%                            | %                              |
| Schedule  | 15%                                       | 25%                            | 25%                            | 50%                            | %                              |
| Technical | 75%                                       | 25%                            | 50%                            | 25%                            | %                              |

(To be completed by Contracting Officer)

The target cost of this task order is \$ 85,803

The target fee of this task order is \$ 326

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 86,129

The maximum fee is \$ 476

The minimum fee is \$0.

|  |         |                                   |
|--|---------|-----------------------------------|
| <b>AUTHORIZED SIGNATURE:</b>   |         |                                   |
| THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS" |         |                                   |
| <i>Theresa J. Becker</i>   | 1/03/01 | Theresa J. Becker                 |
| SIGNATURE OF CONTRACTING OFFICER   | DATE    | TYPED NAME OF CONTRACTING OFFICER |

|                                 |      |
|---------------------------------|------|
| <b>CONTRACTOR'S ACCEPTANCE:</b> |      |
|                                 |      |
| AUTHORIZED SIGNATURE            | DATE |

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| CONTRACTOR      | CONTRACT NO./TASK NO. | TASK NO.   | AMENDMENT |
|-----------------|-----------------------|------------|-----------|
| QSS Group, Inc. | NAS5-<br><b>99124</b> | <b>409</b> |           |

"Function 2C"

**STATEMENT OF WORK:**

The contractor shall provide the necessary personnel, facilities, and materials to perform systems, digital, communications, and electrical engineering services for the Earth Observing System (EOS) Aqua Project including RF compatibility Van (CTV) testing with the Aqua spacecraft common bus. The contractor shall provide services to support EOS Aqua review of RF compatibility test procedures. The contractor shall provide services for the following activities: review of the Aqua RF compatibility test plan; support of RF compatibility testing at TRW in Redondo Beach, California, and GSFC.

The contractor shall review, verify, and validate implementation of test procedures and databases written with the EPOCH 2000 system used by the Observatory. The contractor shall review, verify, and validate test plans and procedures written by the compatibility test van team. The contractor shall review and monitor the configuration and progress of the RF compatibility test. The contractor shall support EPOCH 2000 training and instrument database conversion meetings. The contractor shall support 1553B spacecraft bus utilization studies.

Contractor will also provide support to Aqua observatory integration and test activities related to RF compatibility and instrument to spacecraft to ground system data acquisition, transfer and storage (on board and in the electrical ground support equipment, including their interfaces).

**PERFORMANCE SPECIFICATIONS:**

Technical Progress Report: shall include significant detailed descriptions of documents reviewed, program activities supported, recommendations made, testing activities supported, and documentation submitted.

All documentation, comments, and recommendations submitted by the contractor shall meet the requirements of the EOS Common Spacecraft General Interface Requirements Document (GIRD) and the Aqua RF ICD.

Contractor deliverables shall include written reviews of, corrections to, and recommendations for technical documents such as requirements documents, test plans, test procedures, command and telemetry databases, and instrument operational constraints and restrictions.

**Reports and Documents:** Technical performance will be based on thoroughness and completeness of written reports.

Acceptable performance is that the ATR is satisfied that the material reflects the proper level of technical expertise and meets the objectives of the activity. Reports shall be delivered to the ATR both as a hard copy and in MS Word format via either diskette or email.

**Management:** Performance will be measured against the following metrics: (1) accomplishment of objectives; (2) clear, incremental progress; (3) responsiveness to issues; (4) efficient and appropriate staffing; and (5) coordination with and good working relationship with ATR and other related contractor efforts, if applicable.

**APPLICABLE DOCUMENTS:**

All documentation from EOS-AQUA library.

**TASK END DATE:** 6/30/01

**MILESTONES/DELIVERABLES AND DATES:**

1. Technical Progress Report: monthly, 15th day of the month
2. Technical support for NASA conducted CTV Test complete: 6/30/01

**PERFORMANCE STANDARDS:**

**Schedule:** On-time completion/delivery of the milestones/deliverables

**Technical:** ATR's acceptance of the above

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

Chi Wu, building 16, room 100H